

A1
amend

1, a nucleotide sequence comprising at least 45% identity to the nucleotide set forth in SEQ ID NO: 1, a nucleotide sequence encoding the amino acid sequence set forth in SEQ ID NO: 2 and the nucleotide sequences set forth in GenBank Accession Nos. AF124264 (SEQ ID NO: 3) and AF124265 (SEQ ID NO: 5). Most preferred acyl-CoA thioesterases nucleotide sequences include the nucleotide sequence set forth in SEQ ID NO: 1, a nucleotide sequence comprising at least 45% identity to the nucleotide set forth in SEQ ID NO: 1 and a nucleotide sequence encoding the amino acid sequence set forth in SEQ ID NO: 2.

Please replace the paragraph that begins at line 20 on page 10 of the specification with the following paragraph:

A2

The invention also encompasses increasing the level of one or more of the acyltransferases that are involved in the biosynthesis of triacylglycerol such as, for example, the diacylglycerol acyltransferase from mouse (Accession No. AF078752, SEQ ID NO: 8). While the invention encompasses the use of any acyltransferase, preferred acyltransferases are those that have a wide substrate range. Of particular interest are acyltransferases that can efficiently catalyze the esterification of at least one unusual fatty acid to the glycerol moiety.

In The Claims:

Please amend claims 5, 18, 21, 30, 32, and 36 as to read as follows:

A3

5. (Amended) A method for decreasing β -oxidation in a plant comprising transforming at least one cell of said plant with a nucleotide construct comprising an acyl-CoA thioesterase nucleotide sequence or fragment thereof, said nucleotide sequence selected from the group consisting of:

- (a) the nucleotide sequence set forth in SEQ ID NO: 1;